

LONP1 Conjugated Antibody

Catalog No: #C40199



Package Size: #C40199-AF350 100ul #C40199-AF405 100ul #C40199-AF488 100ul

#C40199-AF555 100ul #C40199-AF594 100ul #C40199-AF647 100ul

#C40199-AF680 100ul #C40199-AF750 100ul #C40199-Biotin 100ul

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Description

Product Name	LONP1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total LONP1 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human lon peptidase 1, mitochondrial
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	LON; LONP; PIM1; hLON; LonHS; PRSS15
Accession No.	Swiss-Prot#:P36776NCBI Gene ID:9361NCBI mRNA#:NCBI Protein#:NP_001263408
Uniprot	P36776
GeneID	9361;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	106
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

This gene encodes a mitochondrial matrix protein that belongs to the Lon family of ATP-dependent proteases. This protein mediates the selective degradation of misfolded, unassembled or oxidatively damaged polypeptides in the mitochondrial matrix. It may also have a chaperone function in the assembly of inner membrane protein complexes, and participate in the regulation of mitochondrial gene expression and maintenance of the integrity of the mitochondrial genome.?

Note: This product is for in vitro research use only